National Aeronautics and Space Administration

AEROSPACE Frontiers

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Center Breaks Ground for New Flagship Building

First New Office Building in 20 Years

On Aug. 27, NASA Glenn broke ground for the Centralized Office Building, the flagship project within the Facilities Master Plan to consolidate and renew Glenn facilities. The event heralds the beginning of construction on Glenn's first new office building in 20 years.

NASA's Associate Deputy Administrator Charles Scales, Associate Administrator for Mission Support Dr. Woodrow Whitlow Jr. and Assistant Administrator for the Office of Infrastructure and Administration Olga Dominguez joined Center Director Ray Lugo and Facilities and Test Directorate Director Dr. Rickey Shyne in kicking off the event. Brook Park Mayor Mark Elliott, and representatives from the offices of Congresswoman Martha Fudge, Congressman Dennis Kucinich and the Greater Cleveland Partnership attended.

Pictured right, left to right: Facilities and Test Directorate Deputy Anita Liang, Scales, Dominguez, Dr. Whitlow, Lugo and Dr. Shyne take the first shovelfuls of dirt. Right, below: employees and guests sign an artist rendering of the building that will be displayed in the lobby.

C-2010-3818 Photos by Marvin Smith

The three-story, 93,000-square-foot steel building will house 300 occupants and have open work areas, conference rooms, a conferencing center and an auditorium with a 400-seating capacity.

Continued on page 2

C-2010-3828

2010 NASA Honor Awards

Dr. Jaiwon Shin, Associate Administrator for NASA's Aeronautic Research Mission Directorate, joined Center Director Ray Lugo in presenting NASA's highest awards to Glenn employees at the agency's annual Honor Awards ceremony on August 18. In his remarks, Shin congratulated honorees and their families and showed pride in calling Glenn home because of its reputation at Headquarters for maintaining a conscientious work culture that places value on achieving the highest technical quality. "I tell my colleagues that Cleveland rocks!"

Photo by Marvin Smith

Center Director Lugo and Dr. Shin at the opening of the ceremony held at LaCentre Conference & Banquet Facility in Westlake.

See page 5 for those honored.

Inside

Straight *from the* Director

A Few Words About Diversity

Center Director Lugo

I want to take a few minutes to talk about equal opportunity, diversity, Diversity Dialogues and my expectations for how we should work together.

Equal opportunity is a right to equivalent opportunities for employment regardless of race, color, sex or national origin. While some significant advances have been made, there continues to be pockets of injustice, discrimination and other behaviors that need to be addressed. We need to be vigilant that our actions, decisions and most importantly, our collective behaviors, create an environment that is safe, supportive and professional.

Diversity and inclusion, on the other hand, are business strategies. The most important reason to have a diversity program is to use our inherent differences to maintain or attain leadership in our line of business.

I feel that we have from time to time made diversity much more complicated than it really needs to be. On a bimonthly basis, the Diversity Management Office provides a topic and/or optional materials for supervisors to hold a mandatory "dialogue" with their employees and provide a summary of their discussion. These dialogues make sure supervisors and employees are meeting and discussing subjects of interest on a regular basis.

The Diversity Dialogue topics include the breadth of diversity dimensions such as gender, race, culture, religion, ethnicity, age, as well as diversity of thought. I find these conversations interesting; however, discussions on diversity do not have to be limited to Diversity Dialogue sessions. Other issues, such as the workplace, local and national events and the state of NASA, can also be used as an opportunity to discuss issues of diversity and inclusion.

I would offer a simple model that should be considered when we approach issues of diversity in the workplace. First, treat people the way they want to be treated. Second, think about how the person you are interacting with will feel regarding what you may be getting ready to do or say. Third, think about what your goal or end state looks like and how your colleagues, employees or supervisors can help you achieve it. Last, ask yourself if the group you are working with is one that thinks alike, or one that tends to explore all the possibilities? If you think along this manner and act with pure intent, then diversity, Diversity Dialogues, and most importantly, inclusion, will be our way of doing business at Glenn. As I always will, I respect and welcome your comments and suggestions.

Groundbreaking Starts New Era

Continued from page 1

Facility Project Manager Eric Patton, Project Management Branch, said the building will feature an open office architecture that allows both functionality and visual appeal. Clustered workstations will be angled and placed strategically to maximize window views and natural light.

Design Firm: **Burt, Hill** Beachwood and Pittsburgh

Construction Firms: **Northstar Contracting Inc.**, North Olmsted and **Marous Bros.**, Willoughby

"Not only is our team excited about the first new office building on the Glenn campus in over 20 years, but we're proud of the overall aesthetic and quality finishes that the building will have," Patton said. "It's quite a shift from what we're used to seeing in government office architecture here at Glenn, and we think it will be a great work space for future occupants."

The building was designed to save energy over a typical office building of similar size and scope. A combination of innovative architectural design, judicious selection of mechanical systems and equipment and repeated analysis of an energy model and its affect on the building design keep it on track to achieve the U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED) Silver certification for energy efficiency.

Located between building 21 and the Ares Manufacturing Facility, the building will primarily house members of the Space Flight Systems, Engineering and Research and Technology Directorates. Construction is scheduled to begin this fall with completion in 2012.

—BY DOREEN B. ZUDELL

Combined Federal Campaign The Winning Recipe

Kickoff Event

Tuesday, Sept. 21
8:30 to 10:00 a.m.
Main Cafeteria at Lewis Field

The event will include a continental breakfast, guest speakers, key worker training information and door prizes.

CFC's 2010 theme: Your generosity and cooperation are the key ingredients to "The Winning Recipe" that will help meet this year's CFC goal of $400,000 and the needs of many different causes in our area.

Save These Dates!
Agency Fair & Ice Cream Social: Thursday, Sept. 23
Basket Raffle: Friday, Oct. 29 (tentative)

Chairperson: Francine McWorther
Co-Chairperson: Fred Holland
Loaned Executive: Tonya Merriweather

Propelling Glenn Forward: Our Center Directors

Ross Believes People Make the Difference

This is the seventh in a series of articles spotlighting NASA Glenn's center directors.

When Larry Ross was 14 years old he built his first shortwave radio and transmitted to another electronics enthusiast thousands of miles away. That basic experience triggered Ross's interest in electronics and ultimately launched a career with NASA. He went on to become the seventh director of NASA Glenn Research Center, 1990 to 1994.

Recruited fresh out of Manhattan College in New York, Ross packed his bags and his Bachelor of Science degree in electrical engineering to come to NASA Lewis in 1963. During most of his career, Ross served in an executive capacity, including as deputy director from 1987 to 1990. He also had worked as a design and test engineer responsible for environmental testing of the Centaur launch vehicle stage and for integration of the Surveyor spacecraft with the Atlas/Centaur launch vehicle.

AeroSpace Frontiers recently caught up with Ross and asked him a few questions about his time at NASA Glenn, and what's keeping him busy these days.

Q. What brought you to NASA?

A. Space was in its infancy but very prominent at the time [race to the moon], so I was drawn by its aura. I thought my electronics background would do nicely. Plus, NASA would pay for graduate school.

Ross today.

C-2008-1424

Above: Ross analyzes the performance of Centaur's electronics systems in a vacuum chamber in the mid-1960s.

Q. What is your fondest memory of NASA?

A. It wasn't a project or a time that was most memorable. It was the outstanding quality of people who I worked with that made a difference in my life and in the agency. The people kept a grin on my face and a whistle on my lips.

Q. What advice do you give to young people at NASA?

A. Spend 6 months listening and watching for the person (or people) who everyone listens to because he or she is credible, honest and competent. Find that person and attach yourself to she or he. That is your mentor.

Q. What keeps you busy these days?

A. After I retired from NASA, I consulted for aerospace companies and government agencies, including NASA. In 2007, fellow NASA retiree Joe Nieberding and I developed Aerospace Engineering Associates. We mobilize the first generation of space faring professionals, who have retired from NASA and its contractors, and deploy them as a resource to those charged with the responsibility for carrying out today's programs. We conduct training sessions for industry and government agencies using case studies and provide lessons learned from our experiences in the industry. We tell people what not to do. The website is http://www.aea-llc.com/.

—BY DOREEN B. ZUDELL

Ohio Astronaut Lands at Glenn

Mike Foreman covers a lot of ground

Since joining Glenn's workforce 3 months ago, astronaut Mike Foreman exhibits the same calm and ease in communicating leadership on the ground as he did as a mission specialist and lead for all three extravehicular activities (EVAs) of the STS-129 mission to the International Space Station.

Foreman already has covered a lot of ground in his 1-year detail from NASA's Johnson Space Center. Serving in a unique capacity as astronaut and chief of NASA Glenn's External Programs Division, Foreman finds great satisfaction in lending operational knowledge, as a crew veteran, to assist Glenn's scientists and engineers. He also relishes going outside the gates to communicate NASA's vision and support activities that will increase Glenn's visibility and pipeline of talent for NASA's future workforce.

Learn more about Foreman and his mission by reading the Web portal feature, "Ohio Astronaut Lands at Glenn," at http://www.nasa.gov/centers/glenn/about/bios/Ohio_astronaut.html.

C-2010-2027 Photo by Bridget Caswell

C-2010-3498 Photo by Christopher Lynch

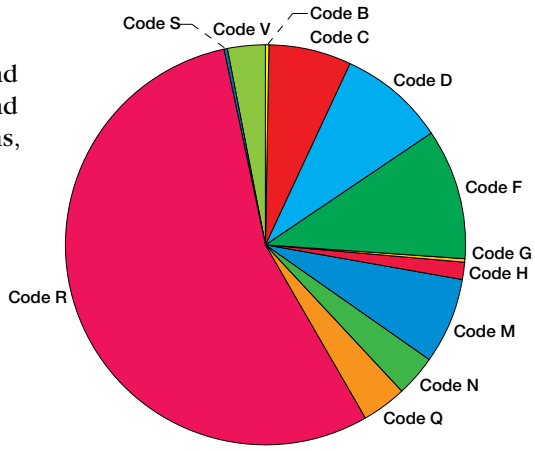
Top right Foreman with Cleveland Indians' mascot, Slider, at NASA Night at Progressive Field. Right: Foreman signs autographs at Independence Home Days.

2010 Summer Student Interns

Students spend summer vacation at Glenn

This summer, Glenn's Educational Programs Office selected 235 bright and talented high school and college students from Glenn's six state area and beyond to participate in internship opportunities. Here's a glance at the programs, students and where the future workforce interned this summer.

NASA Glenn 2010 Summer Program
LERCIP High School, LERCIP College, INSPIRE, and MUST



Combined Program totals by Org. code

LERCIP COLLEGE

Lewis Educational and Research Collaborative Internship Program with the Ohio Aerospace Institute provides paid summer internships for students pursuing degrees in science, technology, engineering and mathematics (STEM) and other aerospace-related disciplines, as well as majors that lend support to NASA's mission such as business and public administration, finance and accounting.

- 10-week program
- 180 student interns
- 2 teacher interns
- 112 males, 70 females
- Top three schools: Ohio State, 16 students; Cleveland State, 13 students; Case Western Reserve, 12 students

LERCIP High School

Lewis Educational and Research Collaborative Internship Program with the Ohio Aerospace Institute provides paid summer internships for students who are interested in science, technology, engineering and math (STEM); professional business administrative and technical areas.

- 8-week program
- 36 interns
- 27 males, 9 females,
- Students came from 27 area schools

MUST

The Motivating Undergraduates in Science and Technology Project, funded and managed by NASA Glenn, is a cooperative agreement with the Hispanic College Fund. MUST is a STEM competitive scholarship for 100 undergraduate students specifically targeting underrepresented and underserved groups in STEM disciplines. The MUST project supports students majoring in fields related to NASA's science and technology interests. Students from across the United States, including Puerto Rico and the U.S. Virgin Islands, are eligible. In addition to the tuition scholarship, MUST provides paid summer internships.

- 8-week program
- 6 interns
- 5 females, 1 male

INSPIRE

The Interdisciplinary National Science Program Incorporating Research and Education Experience provides students from the 9th grade through the freshman year of college with online resources; NASA-related activities and educational modules; and participation in video teleconferences with the centers. INSPIRE also provides paid summer internships for 11th and 12th grade students.

- 8-week program
- 13 interns
- 7 males, 6 females

For more information on these programs, visit http://www.nasa.gov/centers/glenn/education/index.html

BY AARON GREENE
LERCIP HIGH SCHOOL INTERN

HONOR AWARDS
GLENN RESEARCH CENTER
2010


Bilardo


Blaze


Bream


Celestina


Clark


Conrad


Cooper


Corban


DeAngelo


Farkas

OUTSTANDING LEADERSHIP MEDALS

Vincent J. Bilardo
For outstanding leadership of the Ares I–X Upper Stage Simulator team and advancing spaceflight systems development processes and procedures at the Glenn Research Center.

Debra J. DeAngelo
For outstanding leadership in managing and executing GRC's Center Management and Operations/Infrastructure Resources.

Susan M. Motil
For exemplary leadership of critical exploration projects through vital design and test phases, leading to critical milestone completion for the Constellation Program.

Carol M. Tolbert
For outstanding leadership of the Ares I Purge and Hazardous Gas Project and capturing new work in support of Ares I upper stage structural development and qualification tests.

EXCEPTIONAL ENGINEERING ACHIEVEMENT MEDALS

David E. Myers
For outstanding contributions to development of the ARES I–X Upper Stage Simulator and innovative solutions to numerous structural challenges for the ARES I–X launch.

Don J. Roth
For exceptional engineering achievement in providing innovative nondestructive evaluation methods and computational simulations for NASA's aeronautics and space operations.

John C. Thesken
For solving the composite pressure vessel stress rupture threats for the Space Shuttle and the International Space Station Programs.

EXCEPTIONAL TECHNOLOGY MEDALS

Mark L. Celestina
For the successful development of the APNASA turbomachinery analysis code and technology transfer to external organizations.

EXCEPTIONAL ACHIEVEMENT MEDALS

Bruce L. Bream
For technical excellence in developing, utilizing and presenting an integrated safety and reliability assessment of priming options for the Service Module propulsion system.

Dennis C. Conrad
For demonstrated sustained drive, motivation, and personal commitment to SATERN—the System for Administration, Training, and Educational Resources for NASA.

Robert R. Corban
For exemplary contributions in the delivery of the Fluids and Combustion Facility, significantly increasing NASA's microgravity research capability on the ISS.

Frank Gati
For exceptional achievement as the Chief Engineer for the Orion Service Module.

Mohammad M. Hasan
For exceptional scientific and technical contributions to boiling heat transfer and cryogenic fluid management technologies in the microgravity environment.

Monica I. Hoffmann
For outstanding achievement in completing the Ares I–X Upper Stage Simulator interstage elements, including the

CERTIFICATE OF ACHIEVEMENT

For both Government and non-government individuals in recognition of outstanding accomplishment which has contributed substantially to NASA's mission.

Rosemary K. Giesser (SAIC)

Larry P. Opper (SLI)

Gary R. Ponikvar (SLI)

Patrick J. Shenigo
(Erie County Commissioners)

Janet E. Vonkamp (SLI)

successful installation of the roll control modules.

Scott M. Jones
For exceptional achievement in propulsion system modeling and advanced technology benefit assessment, benefitting NASA, DoD, and the aerospace industry.

Sallie A. Keith
For outstanding leadership in the production of the NASA Safety Center (NSC) Safety and Mission Assurance Technical Excellence Program (STEP) rollout video and webcast.

Jack Lekan
For outstanding achievement leading the Ares I–X Upper Stage Simulator (USS) transportation to the Kennedy Space Center (KSC) and the USS ground processing and operations.

David A. Petrarca
For providing exceptional technical leadership in the design and manufacturing of the Ares I–X Upper Stage Simulator in support of the Constellation Program.

Angela D. Windau
For tireless efforts, superior skill, and unique safety knowledge reflected in every facet of this program's (Ares I–X) manufacturing mission.

Stephen P. Wnuk
For exceptional achievement in providing dedicated engineering service and leadership in the management of Glenn pressure systems, allowing agency programs to meet their goals.

EXCEPTIONAL ADMINISTRATIVE ACHIEVEMENT MEDAL

Deborah S. Malow
For sustained, exceptional administrative assistance to the Director's Office.

EXCEPTIONAL SERVICE MEDALS

Casey A. Blaze
For continued excellence in building and maintaining agency alliances and reinventing the center's manufacturing competency to be responsive and relevant to the agency.

Eric B. Clark
For sustained exceptional service in conducting advanced photovoltaic research and contributions to promoting the public prestige of NASA.

Beth A. Cooper
For demonstrating entrepreneurial talent and program leadership, which has resulted in making NASA a world leader in hearing loss prevention and occupational health.

Les G. Farkas
For sustained excellence in developing and implementing outstanding information technology solutions for NASA.

Richard M. Flaisig
For exceptional service and contributions in the management of logistics, technical information, administrative, custodial and waste management contracts at GRC.

Luz Y. Jeziorowski
For demonstrating exceptional technical expertise and program leadership that has resulted in making NASA GRC a safe work place.

Mark M. Kowaleski
For outstanding contributions to the establishment of the NASA Safety Center and the NASA Technical Excellence Office.


Flaisig


Gati


Jeziorowski


Jones


Lekan


Malow


Myers


Needham


Roth


St.Onge


Steele


Stygles


Hasan


Hoffmann


Keith


Kowaleski


Maul


Motil


Olson


Petrarca


Thesken


Tolbert

Kathleen K. Needham
For exceptional contributions that maximize the public value of technology resulting from our aeronautics and space research and development.

Sandra L. Olson
For exceptional service as an innovative researcher in spacecraft fire safety, leading projects that have uncovered important mechanisms in flame spread in reduced gravity.

Thomas H. St.Onge
For exceptional managerial accomplishments that advanced International Space Station research and human research for the agency.

Gynelle C. Steele
For innovative and productive management of the SBIR and STTR Programs for NASA's ARMD and for the spectrum of SBIR/STTR activities at GRC.

Gene L. Stygles
For outstanding service in the management of Glenn's construction projects and demonstration of project management excellence.

EXCEPTIONAL PUBLIC SERVICE MEDALS

William A. Maul III (QNA)
For sustained superior contributions leading to the development of advanced space launch vehicle and propulsion systems health management technologies for NASA programs.

Sandra H. Valenti (SAIC)
For exceptional public service in improving the safety, health and environmental processes in LTID and Glenn Research Center.


Valenti


Windau


Wnuk

FIFTY-FIVE YEAR SERVICE AWARD

Bernhard H. Anderson

FIFTY-YEAR SERVICE AWARD

Lawrence A. McFarland

FORTY-FIVE YEAR SERVICE AWARD

Gustave C. Fralick

FORTY-YEAR SERVICE AWARDS

Roger Chamberlin
Kestutis (Gus) Civinskas
John Juhas
Ihor T. Kiryk
Robert J. Shaw

GROUP ACHIEVEMENT

For a group of government employees or a group comprised of both government and non-government personnel for an outstanding accomplishment through the coordination of many individual efforts, which have contributed substantially to NASA's mission.

FY09 Demolition Project Team

Altitude Combustion Stand (ACS) Group

Ares I Upper Stage Purge & Hazardous Gas Detection Team

Ares I–X Structural Verification Team

Ares I–X Upper Stage Simulator Transportation Team.

Ares I–X USS Launch Processing Team

CEV Thermal Protection System Seals Development Team

CoNNeCT Team

Developing Professionals Leadership Team

Early Career Hiring Initiative Pilot Program

ERA Project Planning—Propulsion Subteam

Continued on page 8

HONOR AWARDS
GLENN RESEARCH CENTER
2010

Continued from page 7

GROUP ACHIEVEMENT

Glenn's MISSE–6 spaceflight experiment Team

GRC ePDS Team

GRC Space Telecommunications Radio System Team

IT Logical Access Team

NASA Explorer Schools (NES)

NASA Thermal & Fluids Workshop Steering Committee

RCC Coating Adherence Investigation Team

Service Module Preliminary Design Review Team

Small-Scale Inlet Mode Transition Test in 1-ft SWT

Space Environmental Test (SET) Replanning Team.

STS–126 Flow Control Valve Failure IV&V Team

SENIOR EXECUTIVE SERVICE


Cheston


Free

Derrick J. Cheston
Appointed chief, Mechanical and Fluid Systems Division, effective November 22, 2009

James M. Free
Appointed director, Space Flights Systems, effective September 27, 2009


Gordon


Dr. Misra


Smith

Robyn N. Gordon
Appointed director of Center Operations, effective August 30, 2009

Dr. Ajay K. Misra
Appointed chief, Structures and Materials Division, effective November 22, 2009

Bryan K. Smith
Appointed chief, Systems Engineering and Analysis Division, effective October 25, 2009

PRESIDENTIAL RANK AWARDS


Sikora


Dr. Strazisar

The President of the United States of America has conferred upon
J. William Sikora
Dr. Anthony J. Strazisar
The rank of Distinguished Executive in the Senior Executive Service


Dr. Ross


Dr. Shaw


Watson

The President of the United States of America has conferred upon
Dr. Howard D. Ross
Dr. Robert J. Shaw
Debra E. Watson
The rank of Meritorious Executive in the Senior Executive Service

These awards are given for sustained accomplishment in management of programs of the United States Government and for noteworthy achievement of quality and efficiency in the public service.

Layout and design by S. Jenise Veris
Graphics by Jim Lucic
Portraits by Michelle Murphy

The citations are reprinted from the NASA Honor Awards Program booklet

News & Events

Ask The Administrator

Glenn summer student interns, faculty fellows and co-op interns participated in the agencywide event, "Ask the Administrator," via NASA TV on July 29. Students asked NASA Administrator Charlie Bolden questions centering on NASA's future direction, diversity and employment opportunities. Avinash Devalla, an INSPIRE residential intern (pictured on the monitor) was the student from Glenn selected to ask the Administrator a question.

C-2010-3368 Photo by Bridget Caswell

Photo by Doreen B. Zudell

Summer Job Fair

The Office of Human Capital Management hosted its 10th Annual Glenn Summer Job Fair on July 20. The fair promotes co-op opportunities to summer students in the various educational program pipelines. More than 100 students from 13 different educational programs attended the event, seeking information and job opportunities to further their NASA careers. About 25 recruiters representing various NASA Glenn organizations discussed future and current job opportunities, networked with students and conducted on-the-spot interviews.

Fore!

Glenn hosted its first Centerwide Golf Outing on Thursday, Aug. 12. Nearly 240 participants (or 59 foursomes) played in the four-person scramble at the Mallard Creek Golf Course in Columbia Station. Jennifer Jones (OAI) sinks a putt for her fellow teammates: left to right, Scott Graham, Tony Miranda and Vince Bilardo. Following the event, golfers enjoyed dinner, games and prizes.

C-2010-3611

C-2010-3626 Photos by Bridget Caswell

Show Your School Spirit

Glenn sponsored a "School Spirit Day" on Friday, Aug. 20, to recognize the importance that education plays in our agency and center, and to serve as a safety reminder for everyone to practice safe driving, especially in and near school zones. To get in the spirit, Lewis Field and Plum Brook Station employees wore the shirt/jersey of their favorite school.

Photo by Maureen Messich

Photo by Larry Opper

Photo by Doreen Zudell

Photo by Larry Opper

Glenn Voted Best Gym

NASA Glenn has the best gym in the federal government, according to *Federal News Radio* listeners and readers! Fitness Center members and health and wellness program participants cast their vote so that Glenn could earn the title.

Retirements

The following employees retired on Aug. 3, 2010:

Mickey Camargo, Space Combustion and Materials Branch, Manufacturing Division, retired with 35 years of NASA service.

Karin Gornick, Office of Chief Financial Officer, retired with 30 years of NASA service.

Mary Kifer, Planning and Integration Office, Facilities and Test Directorate, retired with 37 years of NASA service.

Terry McKendry, Planning and Integration Office, Facilities and Test Directorate, retired with 32 years of NASA service.

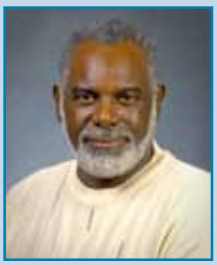
Gregory Shanklin, Aviation Environments Technical Branch, Testing Division, retired with 36 years of NASA service.

William Young, Operations Management Branch, Facilities Division, retired with 42 years of NASA service.

Kifer

McKendry

Shanklin



Young

Correction

Portraits of Brian Rice, program manager for Sierra Lobo, Inc., Small Business Prime Contractor of the Year; and Kevin McQuade, president and CEO of MSM Group, Inc., Small Business Subcontractor of the Year; were accidentally transposed in the August article, "NASA Glenn Center Awards," page 5.

Eye is Glenn's New Chief of Staff

Thomas Eye has been appointed Chief of Staff to Center Director Ray Lugo. Eye, on detail from Kennedy Space Center, serves as the principal advisor to Lugo and handles a wide range of matters of importance on behalf of the Center Director. Eye also oversees daily operations in the Office of the Center Director. Eye was selected for the detail following a 4-month assignment at Glenn as part of his Senior Executive Service Candidate Development Program.

Eye

Excellence in Technology Transfer

The "Large Inflatable Thin Film Antenna with Ridigized Support Structure" team, comprised of Glenn employees **Dr. Robert Romanofsky** and **Dr. Kevin Lambert** (QNA) with Paul Gierow of GATR Technologies, Inc., is the winner of the Federal Laboratory Consortium (FLC) Midwest Region's 2010 Award for Excellence in Technology Transfer, which was presented on Aug. 18. The patented design combines the transmission power advantages of a large-aperture/high-bandwidth antenna with the low weight and portability of a deployable textile antenna.

Gierow

Left to right: Drs. Romanofsky and Lambert

Griffin Selected NASA Scholar

The NASA College Scholarship Fund, Inc. (NCSF) has awarded Elise Griffin, daughter of DeVon Griffin, ISS and Human Research Project Office, a scholarship. The NCSF is a nonprofit corporation, established by Pulitzer Prize winning author James A. Michener that awards scholarships agencywide to qualified dependents of NASA and former NASA employees. A 2010 Lewis Educational Research Collaborative Internship Partnership (LERCIP) summer intern, Griffin is one of five scholarship recipients selected out of 153 who applied across the agency. She will receive $2,000 per year, up to $8,000 over six years. She is majoring in mathematics at Utah State University this fall.

C-2010-3373 Photo by Bridget Caswell

Pictured, left to right: Center Director Ray Lugo, Human Research Program Manager Marsha Nall, Elise, and parents Michelle and DeVon Griffin.

U.S. Patent Issued

A patent entitled "Ion Conducting Organic/Inorganic Hybrid Polymers" has been issued to Dr. Mary Ann Meador, Durability and Protective Coatings Branch, and Dr. James Kinder, a former Glenn employee now at Boeing. Their invention relates to a series of organic/inorganic hybrid polymers that are easy to fabricate into dimensionally stable films with good ion-conductivity over a wide range of temperatures for use in a variety of applications such as fuel cells, high performance batteries, chemical sensors and electrochemical capacitors.

Dr. Meador

Students Take Top LERCIP Awards

Students working in the Advanced Metallics Branch this summer received both of the top student honors for the Lewis Educational and Research Collaborative Internship Partnership (LERCIP). **Lisa Pogue** of Cornell University, mentored by Dr. Frank Ritzert, received the 2010 Student of the Year Award. **Jesse Bierer, Michelle Doyle, Jimmy Myers and Noah Van Zandt,** all from Cedarville University, mentored by Dr. Rick Rogers, received the 2010 Student Team of the Year Award. The awards were presented at the annual LERCIP Student-Mentor picnic in July. These awards are presented to students who significantly exceed the normal expectations for summer interns.

Pogue

Left to Right: Doyle, Bierer, mentor Dr. Rogers, Van Zandt and Myers.

In Memory

Alex C. Medvick, 87, who retired in 1980 with 32 years of NASA service, died June 5. A veteran of the U.S. Army, W.W.II, Medvick began his NASA career in 1948 in the Mechanical Services Branch. He also worked in the Constructions Operations Branch and the Utilities Service Branch. Prior to retirement, he served as head of the Utilities and Refrigeration Section. Medvick was the father/father-in-law of NASA retirees Jean and Tim Hogan.

Medvick

Richard L. Puthoff, 82, who retired in 1993 with 30 years of NASA service, died on July 2. Puthoff was a U.S. Army veteran and nuclear/mechanical engineer who performed pioneering work in NASA's sustainable energy research. Puthoff received a 1993 Honor Award for the design and development of solar array wings for the Space Station Freedom's Electric Power System. He also was instrumental to the preliminary design, fabrication and assembly of the DOE/NASA 100-kilowatt experimental wind turbine, which led to the center's own Wind Turbine Program in 1973. A 1971 NASA Special Achievement Award rewarded him for design and testing of containment models to protect mobile nuclear reactors for nuclear aircraft (1964-1970). Puthoff retired as chief of the Solar Array Branch, Photovoltaic Power Module Division.

Puthoff

DEADLINES

News items and brief announcements for publication in the October issue is noon, Sept. 17. Larger articles require at least one month notice.

http://aerospacefrontiers.grc.nasa.gov

Hermes Award 2009-2010

In Appreciation

Thank you to everyone who offered their prayers, condolences, cards, emails and other expressions of kindness on the recent passing away of my mother, Marianna DeLaat. It is a real blessing to be surrounded by such wonderful, caring people during a difficult time like this. God bless you all!

—John DeLaat

Calendar

PUBLIC TOURS: Glenn conducts free tours of its laboratory and testing facilities on the first and third Saturday of each month. Tours are available to U.S. citizens and foreign national students in grades K–12. A tour bus will depart from Glenn's Briefing Center at 10:30 a.m., and run every hour with the last tour departing at 1:30 p.m. September tours include: Sept. 11—Ballistics Impact Laboratory and Sept. 25—Zero Gravity Research Facility. To reserve a spot, call 216–433–9653, or visit http://visit.grc.nasa.gov.

HISPANIC HERITAGE MONTH: Join the Hispanic Advisory Group and featured speaker Astronaut Jose Hernandez in celebrating Hispanic Heritage on Friday, Sept. 24 , from 10–11:30 a.m. in the Administration Bldg. Aud.

AFGE MEETING: AFGE LOCAL 2182 will hold its next membership meeting on Wednesday, Oct. 6 at 5 p.m. at Denny's Restaurant, 25912 Lorain Road, North Olmsted.

IFPTE LOCAL 28, LESA MEETING: LESA will hold its next membership meeting on Wednesday, Oct. 13 at noon in the Small Dining Room of the Employee Center, building 15.

LEWIS LITTLE FOLKS (LLF) OPENINGS: Glenn's onsite child development center currently has openings for preschoolers (ages 3 to 4 years old). Children must meet NASA eligibility requirements (a parent or grandparent that is a civil servant or contractor). If you know of a qualifying preschooler who is in need of daycare, contact LLF Director Tiffany Cornell, 216–433–5264.

MICROGRAVITY COMPETITION: Students in grades 6 through 9 who are interested in designing and building experiments to be conducted in a NASA drop tower can apply for the What If No Gravity? or WING competitions. For information about entering the competitions, visit http://spaceflightsystem.grc.nasa.gov/DIME.html. Proposal deadline is Nov. 1.

National Aeronautics and Space Administration

John H. Glenn Research Center at Lewis Field
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Dignitaries Explore Glenn Capabilities

Up Close Technology

Over the past several months, a significant number of dignitaries from government and private industry have toured facilities to learn more about the center's capabilities. Most recently, distinguished guests included NASA Associate Administrator Chris Scolese and Chief of Staff David Radzanowski, as well as members of the NASA Advisory Council's (NAC) Aeronautics Committee, who visited and met with center managers.

Programmatic Update

In July, Associate Administrator Scolese conducted a round table discussion with Center Director Ray Lugo and his leadership team for a center update. Scolese is responsible for the oversight and integration of NASA's programmatic and technical efforts to ensure the success of the agency's overall mission. Lunch with Glenn's new Leadership University candidates and a tour of several facilities rounded out his itinerary.

C-2010-2912 Photo by Marvin Smith

Scolese, left, conducted in a round table discussion with the Glenn Leadership Team.

Aviation Issues

In mid-July, the NAC's Aeronautics Committee conducted its quarterly meeting at Glenn. The committee meets to discuss their observations and findings about the aviation industry and NASA's contributions, and makes recommendations to the NAC on issues that require the NASA Administrator's input. Following the meeting, members toured facilities that address issues of importance in aviation safety, emissions and fuel conservation.

C-2010-3450 Photo by Michelle Murphy

Up-Close View of Facilities

Chief of Staff Radzanowski and his executive assistant Natalie Simms devoted two days to visit and tour Glenn facilities in August. Radzanowski's previous experience at the Office of Management and Budget (OMB), the National Science Foundation and support to the Augustine Committee helped familiarize him with many of NASA's programs and facilities. However, this visit gave him an up-close look at the breath of Glenn capabilities at both Lewis Field and Plum Brook Station.

C-2010-3513 Photo by Christopher Lynch

Above: Radzanowski (looking up) with Simms in the Cryogenic Test Facility (K-Site) during a tour of Plum Brook Station facilities escorted by PBS Deputy David Taylor, left, and Director David Stringer. Pictured left: NAC members greet Center Director Ray Lugo on tour/ overview of projects underway in Glenn's Aero Acoustics Propulsion Laboratory.

These visits are an important part of the leadership's strategy to stay up to date and provide credible advice and counsel to NASA Administrator Charlie Bolden on programs and issues of importance to the agency.

—BY S. JENISE VERIS